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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/727,619

DATE: 09/01/2004

TIME: 11:42:52

Input Set : N:\Crf3\RULE60\10727619.raw

Output Set : N:\CRF4\09012004\J727619.raw

1 <110> APPLICANT: PAHL, HEIKE
 2 <120> TITLE OF INVENTION: PRV-1 AND THE USE THEREOF
 3 <130> FILE REFERENCE: LEDER-1
 4 <140> CURRENT APPLICATION NUMBER: US/10/727,619
 5 <141> CURRENT FILING DATE: 2003-12-05
 6 <150> PRIOR APPLICATION NUMBER: US/09/830,189
 7 <151> PRIOR FILING DATE: 2001-08-06
 8 <150> PRIOR APPLICATION NUMBER: PCT/EP99/07238
 9 <151> PRIOR FILING DATE: 1999-09-30
 10 <150> PRIOR APPLICATION NUMBER: 198 49 044.5
 11 <151> PRIOR FILING DATE: 1998-10-23
 12 <160> NUMBER OF SEQ ID NOS: 9
 13 <170> SOFTWARE: PatentIn Ver. 2.1
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 1600
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1

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21   tcctgggggtt catcctccca ctgccaggag tgcaggcgct gctctgccag tttgggacag   120
22   ttcagcatgt gtggaagggtg tccgacctgc cccggcaatg gaccctaag aacaccagct   180
23   ggcacagcgg cttgggggtgc caggacacgt tgatgctcat tgagagcggg cccaagtga   240
24   gcctgggtgct ctccaagggc tgcacggagg ccaaggacca ggagccccgc gtactgagc   300
25   accgatggg ccccggcctc tccctgatct cctacacctt cgtgtgccgc caggaggact   360
26   tctgcaacaa cctcgttaac tccctccgc tttgggcccc acagcccca gcagaccag   420
27   gatccttgag gtgccagtc tgcttgctta tggaaggctg tctggagggg acaacagaag   480
28   agatctgccc caaggggacc acacactggt atgatggcct cctcaggctc aggggaggag   540
29   gcatcttctc caatctgaga gtccagggat gcatgcccc gccagggttg aacctgctca   600
30   atgggacaca ggaaattggg cccgtgggta tgactgagaa ctgcaatagg aaagattttc   660
31   tgacctgtca tcgggggacc accattatga cacacggaaa cttgggtcaa gaacctactg   720
32   attggaccac atcgaatacc gagatgtgag aggtggggca ggtgtgtcag gagacgctgc   780
33   tgctcataga ttaggactc acatcaacct tgggtggggac aaaaggctgc agcactgttg   840
34   gggctcaaaa tcccagaag accaccatcc actcagcccc tcttgggggtg cttgtggcct   900
35   cctataccca cttctgctcc tcggacctgt gcaatagtgc cagcagcagc agcgttctgc   960
36   tgaactccct cctcctcaa gctgcccctg tcccaggaga ccggcagtg cctacctgtg  1020
37   tgcagcccct tggaacctgt tcaagtggct cccccgaat gacctgcccc aggggcgcca  1080
38   ctcatgttta tgatgggtac attcatctct caggagggtg gctgtccacc aaaatgagca  1140
39   ttcagggtg cgtggcccaa ccttcagct tcttggtgaa ccacaccaga caaatcgga  1200
40   tcttctctgc gcgtgagaag cgtgatgtgc agcctcctgc ctctcagcat gagggagggtg  1260
41   gggctgagg cctggagtct ctcacttggg ggggtggggct ggcactggcc ccagcgctgt  1320
42   ggtggggagt ggtttgccct tctgtctaac tctattacce ccacgattct tcaccgctgc  1380
43   tgaccacca cactcaacct cctctgacc tcataacct atggccttgg acaccagatt  1440
44   ctttccatt ctgtccatga atcatcttc ccacacaaa tcattcata ctactacct  1500
  
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45      aacagcaaca ctggggagag cctggagcat ccggacttgc cctatgggag aggggacgct 1560
46      ggaggagtgg ctgcatgtat ctgataatac agaccctgtc                      1600
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 437
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
53      Met Ser Ala Val Leu Leu Leu Ala Leu Leu Gly Phe Ile Leu Pro Leu
54      1          5          10          15
55      Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln His Val
56      20          25          30
57      Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn Thr Ser
58      35          40          45
59      Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met Leu Ile Glu Ser
60      50          55          60
61      Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly Cys Thr Glu Ala Lys
62      65          70          75          80
63      Asp Gln Glu Pro Arg Val Thr Glu His Arg Met Gly Pro Gly Leu Ser
64      85          90          95
65      Leu Ile Ser Tyr Thr Phe Val Cys Arg Gln Glu Asp Phe Cys Asn Asn
66      100         105         110
67      Leu Val Asn Ser Leu Pro Leu Trp Ala Pro Gln Pro Pro Ala Asp Pro
68      115         120         125
69      Gly Ser Leu Arg Cys Pro Val Cys Leu Ser Met Glu Gly Cys Leu Glu
70      130         135         140
71      Gly Thr Thr Glu Glu Ile Cys Pro Lys Gly Thr Thr His Cys Tyr Asp
72      145         150         155         160
73      Gly Leu Leu Arg Leu Arg Gly Gly Gly Ile Phe Ser Asn Leu Arg Val
74      165         170         175
75      Gln Gly Cys Met Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln
76      180         185         190
77      Glu Ile Gly Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys Asp Phe
78      195         200         205
79      Leu Thr Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala
80      210         215         220
81      Gln Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val
82      225         230         235         240
83      Gly Gln Val Cys Gln Glu Thr Leu Leu Leu Ile Asp Val Gly Leu Thr
84      245         250         255
85      Ser Thr Leu Val Gly Thr Lys Gly Cys Ser Thr Val Gly Ala Gln Asn
86      260         265         270
87      Ser Gln Lys Thr Thr Ile His Ser Ala Pro Pro Gly Val Leu Val Ala
88      275         280         285
89      Ser Tyr Thr His Phe Cys Ser Ser Asp Leu Cys Asn Ser Ala Ser Ser
90      290         295         300
91      Ser Ser Val Leu Leu Asn Ser Leu Pro Pro Gln Ala Ala Pro Val Pro
92      305         310         315         320
93      Gly Asp Arg Gln Cys Pro Thr Cys Val Gln Pro Leu Gly Thr Cys Ser
94      325         330         335

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95      Ser Gly Ser Pro Arg Met Thr Cys Pro Arg Gly Ala Thr His Cys Tyr
96              340              345              350
97      Asp Gly Tyr Ile His Leu Ser Gly Gly Gly Leu Ser Thr Lys Met Ser
98              355              360              365
99      Ile Gln Gly Cys Val Ala Gln Pro Ser Ser Phe Leu Leu Asn His Thr
100             370             375             380
101      Arg Gln Ile Gly Ile Phe Ser Ala Arg Glu Lys Arg Asp Val Gln Pro
102             385             390             395             400
103      Pro Ala Ser Gln His Glu Gly Gly Gly Ala Glu Gly Leu Glu Ser Leu
104              405              410              415
105      Thr Trp Gly Val Gly Leu Ala Leu Ala Pro Ala Leu Trp Trp Gly Val
106              420              425              430
107      Val Cys Pro, Ser Cys
108              435
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 24
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
114 <400> SEQUENCE: 3
115      aaaagcagaa agagattacc agcc                                24
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 24
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 4
122      ggctggtaat ctctttctgc tttt                                24
124 <210> SEQ ID NO: 5
125 <211> LENGTH: 13
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 5
129      Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn
130              1              5              10
132 <210> SEQ ID NO: 6
133 <211> LENGTH: 15
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 6
137      Ser Ala Arg Glu Lys Arg Asp Val Gln Pro Pro Ala Ser Gln His
138              1              5              10              15
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 27
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
146 <400> SEQUENCE: 7
147      attaggttat gaggtcagag ggaggtt                                27
149 <210> SEQ ID NO: 8

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151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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159 <211> LENGTH: 28
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
164 <400> SEQUENCE: 9
165      gaatcgtggg ggtaatagag ttagcagg                28
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VERIFICATION SUMMARY

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